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# MODIFICATION INSTRUCTIONS

for the

# *KODAK* MINILOADER 1M,

## MODELS STAND-ALONE & PROCESSOR INTERFACE

Service Codes 3234 & 3235

# MODIFICATION No. M05

## Type 2

PURPOSE:

To fit a new SWF Cam Motor and a PCB to replace the Cam motor Relays in order to improve the reliability of the MINILOADER.

| | | | |
|---|---|---|---|
| **IMPORTANT:** | Only qualified service personnel should install this modification! | | |
| **SERIAL NUMBERS:** | Model Stand-Alone | (3234) | All |
| | Model Processor Interface | (3235) | All |
| **INSTALLATION TIME:** | Approximately 1 hour. | | |
| **SPECIAL TOOLS:** | None | | |
| **PARTS REQUIREMENT:** | Modification kit 30092105<br>See parts list on page 2. | | |
| **PARTS AVAILABILITY:** | December 1994 | | |

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# PARTS LIST

| PART NO. | DESCRIPTION | QUANTITY |
|---|---|---|
| 30092105 | MODIFICATION KIT | 1 |
| THE KIT CONTAINS: | | |
| 30025250 | SWF CAM MOTOR (FITTED WITH SMALL SPROCKET 30026362) | 1 |
| 30015697 | FASTON CONNECTORS | 2 |
| 30014391 | LARGE MOTOR SPROCKET ASSY. | 1 |
| 30014392 | PCB100 | 1 |
| MB3234-M05 | MODIFICATION INSTRUCTIONS | 1 |

## CAUTION

This equipment includes parts and assemblies sensitive to damage from electrostatic discharge. Use caution to prevent damage during all service procedures.


**PLEASE NOTE**

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## MODIFICATION INSTRUCTIONS

**1.** Turn off the power to the MINILOADER.

**2.** Remove the TOP COVER, the right hand (from the front) SIDE PANEL and the FRONT PANEL. Ensure all leads are disconnected when removing the FRONT PANEL.

**3.** Pull the PCB 301 forwards and remove the SCREWS which hold the clear plastic PROTECTION COVER in place. Disconnect the POTENTIOMETER for the TILT MOTOR (PLUG X111) and remove the COVER.

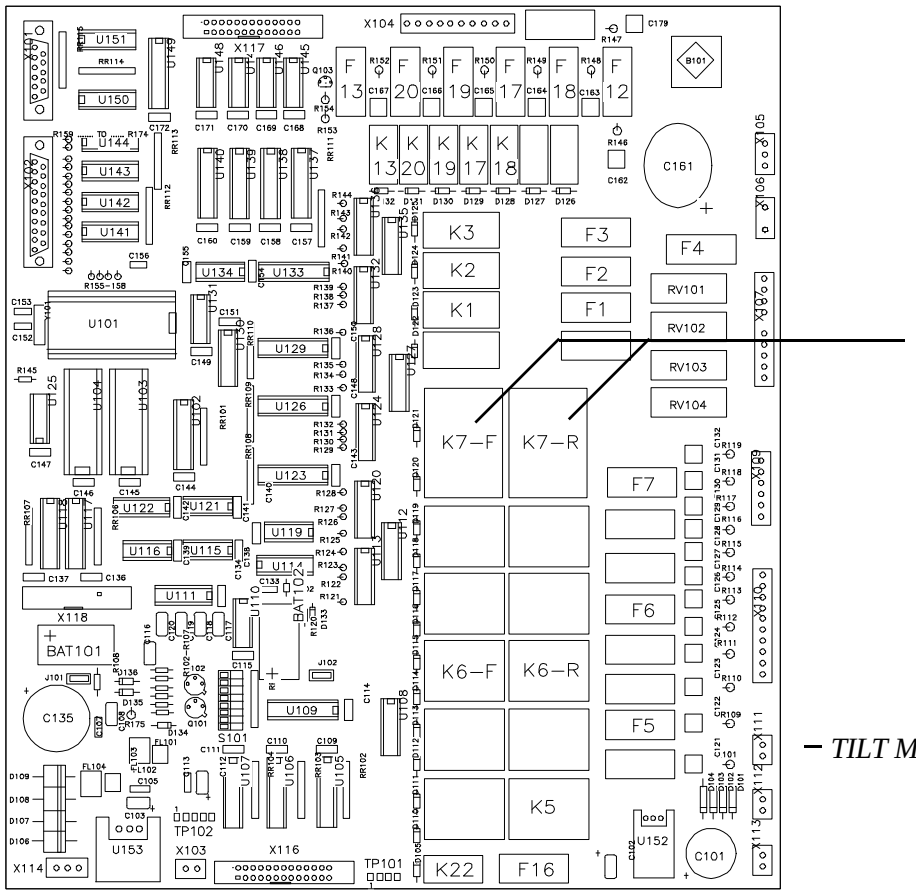
**4.** Taking ESD precautions, identify and remove the following RELAYS see the FIGURE on below :-

K7-F CAM MOTOR FORWARD
K7-R CAM MOTOR REVERSE

**5.** Plug the new PCB 100 into the vacated RELAY SOCKETS (it will only fit one way round) making sure that the PINS on the PCB are fully inserted into the SOCKETS.

**6.** Plug the TILT MOTOR POTENTIOMETER back into SOCKET X111, and refit the plastic PROTECTION COVER to PCB 301.

**7.** Push PCB 301 back into position, and refit the FRONT PANEL making sure all the PLUGS are re-connected. Do not forget to reconnect the GROUND LEAD or MICROPROCESSOR malfunctions can result.



**8.** Cut the WIRES from the existing CAM MOTOR, and remove the MOTOR from the MINILOADER.

**9.** If necessary, fit the SPROCKET that is the same size as the one fitted to the original MOTOR to the new MOTOR.

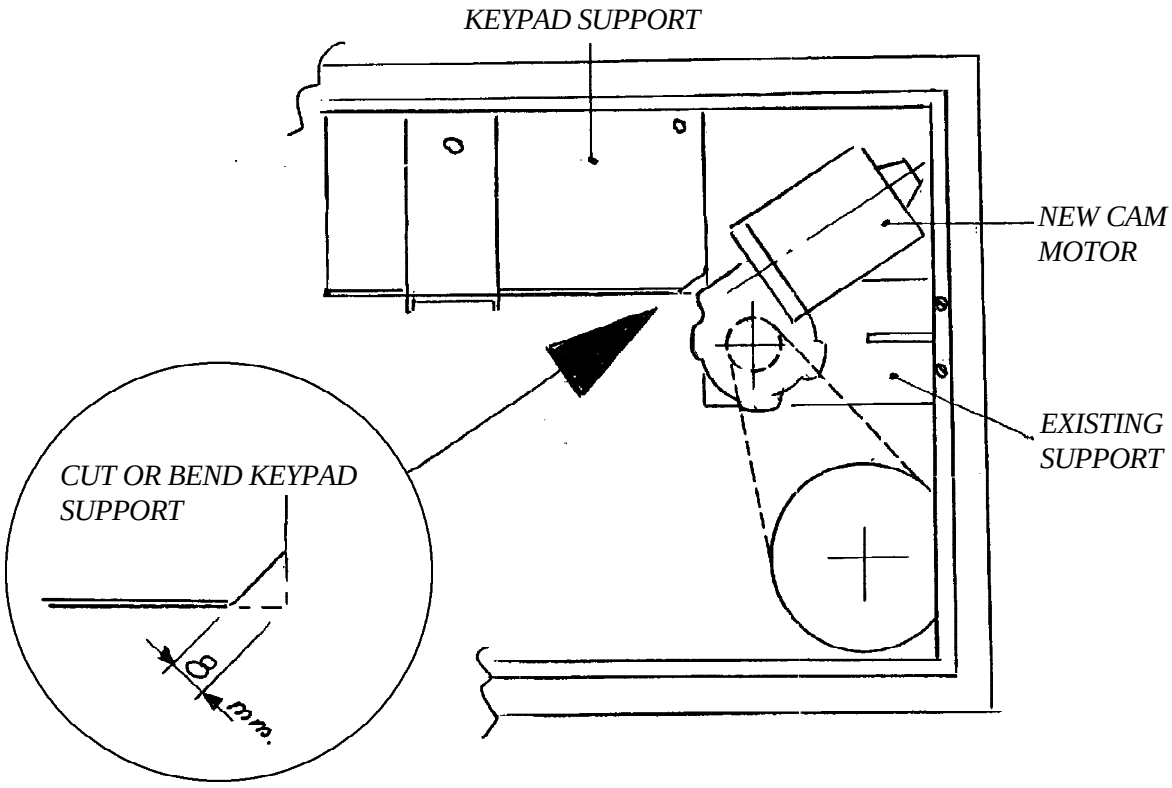
**10.** See the FIGURE below. Cut or bend the corner of the KEYPAD SUPPORT to allow clearance for the new MOTOR.

**11.** Using the original SCREWS mount the new CAM MOTOR.

**12.** Fit the FASTON CONNECTORS to the MOTOR LEADS and connect to the MOTOR TERMINALS.

**13.** Ensure the MOTOR turns in the correct direction, if necessary reverse the MOTOR LEADS.

**14.** Set the MOTOR CLUTCH to the correct tension as detailed in the SERVICE MANUAL.

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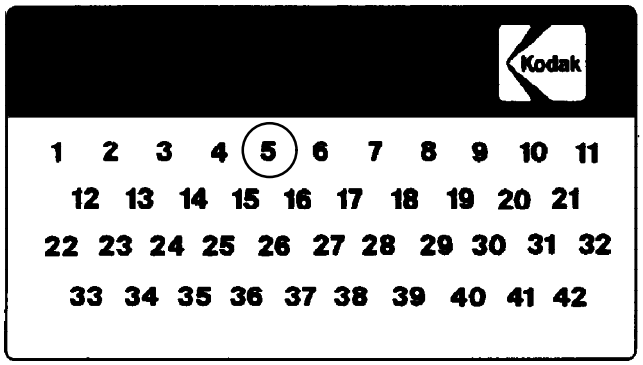
**15.** Using TEST FILM check the operation of the MINILOADER.

**16.** If the MINILOADER is PROCESSOR INTERFACED, check the PARAMETER, "GAP BETWEEN FILMS" is set correctly as there will be a slight cycle time difference with the new MOTOR.

**17.** Circle M05 on the MODIFICATION LABEL and replace the PANELS.



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